

Claims

[c1] What is claimed is:

1.A scanner comprising:
a light source for generating light;
a reflective piece including one protrusion for reflecting
the light from the light source;
a lens for transmitting the light from the light source and
the reflective piece; and
a sensor for detecting the light from the lens.

[c2] 2.The scanner of claim 1 wherein the protrusion is lo-
cated at the center of the reflective piece for reflecting
part of the light from the light source to two sides of the
light source.

[c3] 3.The scanner of claim 1 wherein the reflective piece fur-
ther comprises a dark section decreasingly distributed
from the center to the two sides of the reflective piece
for absorbing part of the light from the light source.

[c4] 4.The scanner of claim 3 wherein the reflective piece
comprises two protrusions located at two sides of the
dark section for reflecting the part of the light from the
light source to the two sides of the light source.

- [c5] 5.The scanner of claim 1 wherein the protrusion of the reflective piece is triangular.
- [c6] 6.The scanner of claim 1 wherein the protrusion of the reflective piece is arc-shaped.
- [c7] 7.The scanner of claim 1 wherein the scanner is a paper feed scanner.
- [c8] 8.The scanner of claim 1 wherein the scanner is a flatbed scanner.
- [c9] 9.The scanner of claim 1 wherein the light source is a fluorescent tube.
- [c10] 10.The scanner of claim 1 wherein the sensor is a charge coupled device (CCD).